



## TYRE SEALANT AT2

### SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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VERSION: 2.0

#### 1. SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Trade name	Tyre Sealant AT2
Product code	Ford Internal Ref.: 196915
SDS Number	6723
Product use	Public use

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Tyre Sealant
Uses advised against	No additional information available.

##### 1.3. Details of the supplier of the safety data sheet

Supplier	Distributor
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

##### 1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

#### 2. SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

##### 2.2. Label elements

This mixture does not meet the criteria for labelling according to Regulation (EC) 1272/2008 as amended.

##### 2.3. Other hazards

No additional information available.

#### 3. SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.

#### 4. SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing.
Skin contact:	Wash skin with plenty of water.
Eyes contact	Rinse eyes with water as a precaution.

	<b>Ingestion</b>	Call a poison center or a doctor if you feel unwell.
<b>4.2.</b>	<b>Most important symptoms and effects, both acute and delayed</b>	No additional information available.
<b>4.3.</b>	<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>5.</b>	<b>SECTION 5: Firefighting measures</b>	
<b>5.1.</b>	<b>Extinguishing media</b>	
	<b>Suitable extinguishing media</b>	Water spray. Dry powder. Foam. Carbon dioxide.
	<b>Unsuitable extinguishing media</b>	Do not use a water jet since it may cause the fire to spread.
<b>5.2.</b>	<b>Special hazards arising from the substance or mixture</b>	
	<b>Hazardous combustion products</b>	Toxic fumes may be released.
<b>5.3.</b>	<b>Advice for firefighters</b>	
	<b>Protection during firefighting</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>6.</b>	<b>SECTION 6: Accidental release measures</b>	
<b>6.1.</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
	<b>For non-emergency personnel</b>	
	<b>Emergency procedures</b>	Ventilate spillage area.
	<b>For emergency responders</b>	
	<b>Protective equipment</b>	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
<b>6.2.</b>	<b>Environmental precautions</b>	Avoid release to the environment.
<b>6.3.</b>	<b>Methods and material for containment and cleaning up</b>	
	<b>For containment</b>	Stop leak without risks if possible. Move containers from fire area if it can be done without personal risk. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
	<b>Methods for cleaning up</b>	Mechanically recover the product. Clean up any spills as soon as possible, using an absorbent material to collect it.
	<b>Other information</b>	Dispose of materials or solid residues at an authorized site.
<b>6.4.</b>	<b>Reference to other sections</b>	For further information refer to section 13.
<b>7.</b>	<b>SECTION 7: Handling and storage</b>	
<b>7.1.</b>	<b>Precautions for safe handling</b>	
	<b>Precautions for safe handling</b>	Ensure good ventilation of the work station. Wear personal protective equipment.
	<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
<b>7.2.</b>	<b>Conditions for safe storage, including any incompatibilities</b>	
	<b>Storage conditions</b>	Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s) Tyre Sealant.

## 8. SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### United Kingdom

Regulation	Substance	Type	Value
EH40/2005 (Third edition, 2018). HSE	Propane-1,2-diol (57-55-6) Propane-1,2-diol	WEL TWA	10 mg/m <sup>3</sup> 474 mg/m <sup>3</sup>
		WEL TWA	150 ppm total vapour and particulates

#### DNEL: Derived no effect level

No data available

#### PNEC: Predicted no effect concentration

No data available

### 8.2. Exposure controls

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

#### Materials for protective clothing

Wear suitable protective clothing.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye protection

Safety glasses

##### Skin protection

###### Hand protection

Protective gloves.

Material	Permeation	Thickness (mm)	Comments
Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

##### Other protective measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

##### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

##### Skin and body protection

Wear suitable protective clothing

##### Thermal hazard protection

No additional information available.

##### Environmental exposure controls

Avoid release to the environment.

## 9. SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	White. Slightly yellowish.
Odour	Slight. Ammoniacal.
Odour threshold	No data available
pH	7 - 11
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	103.9 °C
Flash point	97 °C

<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Relative vapour density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	1.02 - 1.06 g/cm <sup>3</sup>
<b>Solubility</b>	Miscible with water.
<b>Log Pow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	5 - 25 mPa·s
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive limits</b>	No data available

## 9.2. Other information

<b>VOC (EU)</b>	45 - 60 %
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## 10. SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>10.4. Conditions to avoid</b>	None under recommended storage and handling conditions (see section 7).
<b>10.5. Incompatible materials</b>	No additional information available.
<b>10.6. Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met. (No classification due to test data)
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met

## 12. SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ecology - general</b>	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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## 12.2. Persistence and degradability

No additional information available.

## 12.3. Bioaccumulative potential

No additional information available.

## 12.4. Mobility in soil

No additional information available.

## 12.5. Results of PBT and vPvB assessment

No additional information available.

## 12.6. Other adverse effects

No additional information available.

## 13. SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Regional legislation (waste)

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.

#### Waste treatment methods

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### Product/Packaging disposal recommendations

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### Additional information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

#### European List of Waste (LoW) code

15 01 10\*

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

packaging containing residues of or contaminated by dangerous substances

08 04 09\*

waste adhesives and sealants containing organic solvents or other dangerous substances

## 14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Not regulated for transport

## 15. SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### VOC (EU)

45 - 60 %

#### Seveso Information

Not applicable.

#### National regulations

No additional information available.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. SECTION 16: Other information

### Indication of changes

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Section 1 - Section 16.

### Abbreviations and acronyms

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ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association

IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PC (Chemical product category)	PC (Chemical product category)
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average

UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).

**Data sources** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

**Other information** The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this product information sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this product information sheet is not necessarily valid for the new made-up material..

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*



Attachment to the Safety Data Sheet



**Product Name:** Tyre Sealant AT2

**Ford Int. Ref. No.:** 196915

REVISION DATE: 22.11.2019

**Involved Products:**

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
.	1 2 104 873	GU7J 1568 AA	300 ml
.	2 2 104 876	GU7J 1568 BA	450 ml